

Chapter 23 Roots, Stems, and Leaves**Section Review 23-2****Reviewing Key Concepts**

Multiple Choice *On the lines provided, write the letter that best completes the sentence.*

- _____ 1. Dicots tend to have a long, thick primary root called a
a. fibrous root. c. taproot.
b. root hair. d. meristem.
- _____ 2. Monocots tend to have branching roots called
a. fibrous roots. c. taproots.
b. root hairs. d. meristems.
- _____ 3. The outside layer of the mature root consists of
a. ground tissue. c. vascular tissue.
b. epidermal cells. d. xylem.
- _____ 4. A mature root has a central cylinder of
a. meristematic tissue. c. vascular tissue.
b. dermal tissue. d. ground tissue.

Short Answer *On the lines provided, answer the following questions.*

5. Name and describe the type of tissue in a plant root that separates the central cylinder and the outside layer of cells.

6. What are the two main functions of roots?

Reviewing Key Skills

7. **Comparing and Contrasting** What is the main difference between a taproot and a fibrous root?

8. **Applying Concepts** How might a plant be affected by the loss of its root caps?

9. **Inferring** What might happen to a plant whose endodermal cells lacked a Casparian strip?
